

IN THE CLAIMS:

Please amend the claims as follows:

Claim 1 (Currently amended): A pressure-fluid-operated percussion device comprising a frame [(2)] allowing a tool [(13)] to be arranged therein movably in its longitudinal direction, means for feeding pressure liquid to the percussion device [(1)] and for returning pressure liquid to a pressure liquid tank, and means for producing a stress pulse in the tool by utilizing pressure of the pressure liquid, wherein the percussion device [(1)] comprises a working pressure chamber [(3)] filled with pressure liquid and, between the working pressure chamber [(3)] and the tool [(13)], a transmission piston [(4)] which is movably arranged in the longitudinal direction of the frame [(2)] and which is in contact with the tool [(13)] either directly or indirectly at least during stress pulse generation, and a charging pressure chamber [(7)] on the side of the transmission piston [(4)] facing the tool [(13)] so that the transmission piston [(4)] is provided with a pressure surface [(A1)] facing the working pressure chamber [(3)] and on the side of the charging pressure chamber [(7)] a pressure surface [(A2)] facing the tool [(13)], ~~characterized in that~~ wherein the means for producing a stress pulse comprise a pressure liquid source connected with the working pressure chamber [(3)] in order to maintain pressure in the working pressure chamber [(3)], and means for intermittently feeding, to the charging pressure chamber [(7)], pressure liquid whose pressure enables the transmission piston [(4)] to be pushed towards the working pressure chamber [(3)], against the pressure of the pressure liquid in the working pressure chamber [(3)] and into a predetermined backward position of the transmission piston [(4)] such that pressure liquid is discharged from the working pressure chamber [(3)], and for alternately allowing

pressure liquid to be discharged rapidly from the charging pressure chamber [(7)] so that a force produced by the pressure of the pressurized pressure liquid in the working pressure chamber [(3)] and flowing thereto from the pressure liquid source pushes the transmission piston [(4)] in the direction of the tool [(13)], compressing the tool [(13)] in its longitudinal direction and thus generating a stress pulse in the tool [(13)].

Claim 2 (Currently amended): A percussion device as claimed in claim 1, ~~characterized in that~~ wherein the means for feeding pressurized pressure liquid to the working pressure chamber [(3)] are arranged to feed the pressure liquid such that the pressure in the working pressure chamber [(3)] remains substantially constant during operation of the percussion device.

Claim 3 (Currently amended): A percussion device as claimed in claim 1, wherein ~~or 2, characterized in that~~ the pressure liquid of equal pressure is fed to the working chamber [(3)] and to the charging pressure chamber, and that the pressure surfaces (A1, A2) of the transmission piston [(4)] facing the working pressure chamber [(3)] and the charging pressure chamber [(7)], respectively, are dimensioned such that a sum of forces being formed pushes the transmission piston [(4)] into its backward position.

Claim 4 (Currently amended): A percussion device as claimed in claim 1, wherein ~~any one of the preceding claims, characterized in that~~ the working pressure chamber [(3)] is connected to a pressure liquid source, such as a pressure liquid pump [(6)], such that the pressure liquid source tries to feed pressure liquid thereto continuously.

Claim 5 (Currently amended): A percussion device as claimed in claim 1, wherein any
~~one of the preceding claims, characterized in that~~ it comprises a pressure accumulator connected
with the working pressure chamber ~~[[3]]~~.